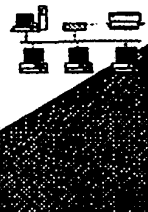


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BIOTECHNOLOGY
SYSTEMS
BRANCH

JUN 17 2003

TECH CENTER 1600



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/701,849

Source:

1600

Date Processed by STIC:

6/5/03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)

2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

Or

U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003



Does Not Comply
Corrected Diskette Needed

1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/701,849

DATE: 06/05/2003

TIME: 15:35:14

Input Set : A:\EP.txt

Output Set: N:\CRF4\06052003\I701849.raw

5 <110> APPLICANT: Genzyme Corporation
 7 Roberts, Bruce L.
 9 Nicolette, Charles A.
 13 <120> TITLE OF INVENTION: Antigen-Specific Cells, Methods of Generating These Cells
 and Uses
 14 Thereof
 18 <130> FILE REFERENCE: GA0116C
 22 <140> CURRENT APPLICATION NUMBER: US 09/701,849
 24 <141> CURRENT FILING DATE: 2000-08-09
 28 <150> PRIOR APPLICATION NUMBER: PCT/US99/01462
 30 <151> PRIOR FILING DATE: 1999-01-25
 34 <150> PRIOR APPLICATION NUMBER: US 60/122,053
 36 <151> PRIOR FILING DATE: 1998-01-26
 40 <150> PRIOR APPLICATION NUMBER: US 60/080,036
 42 <151> PRIOR FILING DATE: 1998-03-31
 46 <160> NUMBER OF SEQ ID NOS: 11
 50 <170> SOFTWARE: PatentIn version 3.1
 54 <210> SEQ ID NO: 1
 56 <211> LENGTH: 8
 58 <212> TYPE: PRT
 60 <213> ORGANISM: synthetic oligopeptide
 64 <220> FEATURE:
 66 <221> NAME/KEY: PEPTIDE
 68 <222> LOCATION: (1)..(8)
 70 <223> OTHER INFORMATION:
 74 <220> FEATURE:
 76 <221> NAME/KEY: MISC_FEATURE
 78 <222> LOCATION: (2)..(2)
 80 <223> OTHER INFORMATION: X = Any amino acid residue
 W--> 84 <220>
 86 <221> NAME/KEY: MISC_FEATURE
 88 <222> LOCATION: (3)..(3)
 90 <223> OTHER INFORMATION: X = Any amino acid residue
 94 <220> FEATURE:
 96 <221> NAME/KEY: MISC_FEATURE
 98 <222> LOCATION: (4)..(4)
 100 <223> OTHER INFORMATION: X = Any amino acid residue
 104 <220> FEATURE:
 106 <221> NAME/KEY: MISC_FEATURE
 108 <222> LOCATION: (5)..(5)
 110 <223> OTHER INFORMATION: X = Any amino acid residue
 114 <220> FEATURE:
 116 <221> NAME/KEY: MISC_FEATURE
 118 <222> LOCATION: (6)..(6)

invalid response, see error summary sheet
item 10

↓
The type of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/701,849

DATE: 06/05/2003

TIME: 15:35:14

Input Set : A:\EP.txt

Output Set: N:\CRF4\06052003\I701849.raw

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120 <223> OTHER INFORMATION: X = Any amino acid residue
124 <220> FEATURE:
126 <221> NAME/KEY: MISC_FEATURE
128 <222> LOCATION: (7)..(7)
130 <223> OTHER INFORMATION: X = Any amino acid residue
134 <400> SEQUENCE: 1
W--> 136 Leu Xaa Xaa Xaa Xaa Xaa Xaa Val
137 1 5
140 <210> SEQ ID NO: 2
142 <211> LENGTH: 8
144 <212> TYPE: PRT
146 <213> ORGANISM: synthetic oligopeptide
150 <220> FEATURE:
152 <221> NAME/KEY: PEPTIDE
154 <222> LOCATION: (1)..(8)
156 <223> OTHER INFORMATION:
160 <220> FEATURE:
162 <221> NAME/KEY: MISC_FEATURE
164 <222> LOCATION: (2)..(2)
166 <223> OTHER INFORMATION: X = Any amino acid residue
W--> 170 <220>
172 <221> NAME/KEY: MISC_FEATURE
174 <222> LOCATION: (3)..(3)
176 <223> OTHER INFORMATION: X = Any amino acid residue
180 <220> FEATURE:
182 <221> NAME/KEY: MISC_FEATURE
184 <222> LOCATION: (4)..(4)
186 <223> OTHER INFORMATION: X = Any amino acid residue
190 <220> FEATURE:
192 <221> NAME/KEY: MISC_FEATURE
194 <222> LOCATION: (5)..(5)
196 <223> OTHER INFORMATION: X = Any amino acid residue
200 <220> FEATURE:
202 <221> NAME/KEY: MISC_FEATURE
204 <222> LOCATION: (6)..(6)
206 <223> OTHER INFORMATION: X = Any amino acid residue
210 <220> FEATURE:
212 <221> NAME/KEY: MISC_FEATURE
214 <222> LOCATION: (7)..(7)
216 <223> OTHER INFORMATION: X = Any amino acid residue
220 <220> FEATURE:
222 <221> NAME/KEY: MISC_FEATURE
224 <222> LOCATION: (8)..(8)
226 <223> OTHER INFORMATION: X = Any positively charged amino acid residue
230 <400> SEQUENCE: 2
W--> 232 Arg Xaa Xaa Xaa Xaa Xaa Xaa Xaa
233 1 5
236 <210> SEQ ID NO: 3
238 <211> LENGTH: 9

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/701,849

DATE: 06/05/2003
TIME: 15:35:14

Input Set : A:\EP.txt
Output Set: N:\CRF4\06052003\I701849.raw

240 <212> TYPE: PRT
242 <213> ORGANISM: synthetic oligopeptide
246 <220> FEATURE:
248 <221> NAME/KEY: PEPTIDE
250 <222> LOCATION: (1)..(9)
252 <223> OTHER INFORMATION:
256 <220> FEATURE:
258 <221> NAME/KEY: MISC_FEATURE
260 <222> LOCATION: (1)..(1)
262 <223> OTHER INFORMATION: X = Any amino acid residue
W--> 266 <220>
268 <221> NAME/KEY: MISC_FEATURE
270 <222> LOCATION: (2)..(2)
272 <223> OTHER INFORMATION: X = Asp or Glu.
276 <220> FEATURE:
278 <221> NAME/KEY: MISC_FEATURE
280 <222> LOCATION: (3)..(3)
282 <223> OTHER INFORMATION: X = Any amino acid residue
286 <220> FEATURE:
288 <221> NAME/KEY: MISC_FEATURE
290 <222> LOCATION: (4)..(4)
292 <223> OTHER INFORMATION: X = Any amino acid residue
296 <220> FEATURE:
298 <221> NAME/KEY: MISC_FEATURE
300 <222> LOCATION: (5)..(5)
302 <223> OTHER INFORMATION: X = Any amino acid residue
306 <220> FEATURE:
308 <221> NAME/KEY: MISC_FEATURE
310 <222> LOCATION: (6)..(6)
312 <223> OTHER INFORMATION: X = Any amino acid residue
316 <220> FEATURE:
318 <221> NAME/KEY: MISC_FEATURE
320 <222> LOCATION: (7)..(7)
322 <223> OTHER INFORMATION: X = Any amino acid residue
326 <220> FEATURE:
328 <221> NAME/KEY: MISC_FEATURE
330 <222> LOCATION: (8)..(8)
332 <223> OTHER INFORMATION: X = Any amino acid residue
336 <220> FEATURE:
338 <221> NAME/KEY: MISC_FEATURE
340 <222> LOCATION: (9)..(9)
342 <223> OTHER INFORMATION: X = Phe, Lys or Tyr.
346 <400> SEQUENCE: 3
W--> 348 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
349 1 5
352 <210> SEQ ID NO: 4
354 <211> LENGTH: 8
356 <212> TYPE: PRT
358 <213> ORGANISM: synthetic oligopeptide

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/701,849

DATE: 06/05/2003

TIME: 15:35:14

Input Set : A:\EP.txt

Output Set: N:\CRF4\06052003\I701849.raw

362 <220> FEATURE:
364 <221> NAME/KEY: PEPTIDE
366 <222> LOCATION: (1)..(8)
368 <223> OTHER INFORMATION:
372 <220> FEATURE:
374 <221> NAME/KEY: MISC_FEATURE
376 <222> LOCATION: (2)..(2)
378 <223> OTHER INFORMATION: X = Any amino acid residue
W--> 382 <220>
384 <221> NAME/KEY: MISC_FEATURE
386 <222> LOCATION: (3)..(3)
388 <223> OTHER INFORMATION: X = Any amino acid residue
392 <220> FEATURE:
394 <221> NAME/KEY: MISC_FEATURE
396 <222> LOCATION: (4)..(4)
398 <223> OTHER INFORMATION: X = Any amino acid residue
402 <220> FEATURE:
404 <221> NAME/KEY: MISC_FEATURE
406 <222> LOCATION: (5)..(5)
408 <223> OTHER INFORMATION: X = Any amino acid residue
412 <220> FEATURE:
414 <221> NAME/KEY: MISC_FEATURE
416 <222> LOCATION: (6)..(6)
418 <223> OTHER INFORMATION: X = Any amino acid residue
422 <220> FEATURE:
424 <221> NAME/KEY: MISC_FEATURE
426 <222> LOCATION: (7)..(7)
428 <223> OTHER INFORMATION: X = Any amino acid residue
432 <400> SEQUENCE: 4
W--> 434 Arg Xaa Xaa Xaa Xaa Xaa Xaa Leu
435 1 5
438 <210> SEQ ID NO: 5
440 <211> LENGTH: 8
442 <212> TYPE: PRT
444 <213> ORGANISM: synthetic oligopeptide
448 <220> FEATURE:
450 <221> NAME/KEY: PEPTIDE
452 <222> LOCATION: (1)..(8)
454 <223> OTHER INFORMATION:
458 <220> FEATURE:
460 <221> NAME/KEY: MISC_FEATURE
462 <222> LOCATION: (1)..(1)
464 <223> OTHER INFORMATION: X = Any amino acid residue
W--> 468 <220>
470 <221> NAME/KEY: MISC_FEATURE
472 <222> LOCATION: (2)..(2)
474 <223> OTHER INFORMATION: X = Lys or Arg.
478 <220> FEATURE:
480 <221> NAME/KEY: MISC_FEATURE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/701,849

DATE: 06/05/2003

TIME: 15:35:14

Input Set : A:\EP.txt

Output Set: N:\CRF4\06052003\I701849.raw

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482 <222> LOCATION: (3)..(3)
484 <223> OTHER INFORMATION: X = Any amino acid residue
488 <220> FEATURE:
490 <221> NAME/KEY: MISC_FEATURE
492 <222> LOCATION: (4)..(4)
494 <223> OTHER INFORMATION: X = Any amino acid residue
498 <220> FEATURE:
500 <221> NAME/KEY: MISC_FEATURE
502 <222> LOCATION: (5)..(5)
504 <223> OTHER INFORMATION: X = Any amino acid residue
508 <220> FEATURE:
510 <221> NAME/KEY: MISC_FEATURE
512 <222> LOCATION: (6)..(6)
514 <223> OTHER INFORMATION: X = Any amino acid residue
518 <220> FEATURE:
520 <221> NAME/KEY: MISC_FEATURE
522 <222> LOCATION: (7)..(7)
524 <223> OTHER INFORMATION: X = Any amino acid residue
528 <220> FEATURE:
530 <221> NAME/KEY: MISC_FEATURE
532 <222> LOCATION: (8)..(8)
534 <223> OTHER INFORMATION: X = Leu or Ile.
538 <400> SEQUENCE: 5
W--> 540 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
541 1 5
544 <210> SEQ ID NO: 6
546 <211> LENGTH: 8
548 <212> TYPE: PRT
550 <213> ORGANISM: Synthetic oligopeptide
554 <220> FEATURE:
556 <221> NAME/KEY: PEPTIDE
558 <222> LOCATION: (1)..(8)
560 <223> OTHER INFORMATION:
564 <220> FEATURE:
566 <221> NAME/KEY: MISC_FEATURE
568 <222> LOCATION: (1)..(1)
570 <223> OTHER INFORMATION: X = Met or Leu.
W--> 574 <220>
576 <221> NAME/KEY: MISC_FEATURE
578 <222> LOCATION: (2)..(2)
580 <223> OTHER INFORMATION: X = Any amino acid residue
584 <220> FEATURE:
586 <221> NAME/KEY: MISC_FEATURE
588 <222> LOCATION: (3)..(3)
590 <223> OTHER INFORMATION: X = Any amino acid residue
594 <220> FEATURE:
596 <221> NAME/KEY: MISC_FEATURE
598 <222> LOCATION: (4)..(4)
600 <223> OTHER INFORMATION: X = Any amino acid residue

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/701,849

DATE: 06/05/2003
TIME: 15:35:15

Input Set : A:\EP.txt
Output Set: N:\CRF4\06052003\I701849.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,3,4,5,6,7
Seq#:2; Xaa Pos. 2,3,4,5,6,7,8
Seq#:3; Xaa Pos. 1,2,3,4,5,6,7,8,9
Seq#:4; Xaa Pos. 2,3,4,5,6,7
Seq#:5; Xaa Pos. 1,2,3,4,5,6,7,8
Seq#:6; Xaa Pos. 1,2,3,4,5,6,7
Seq#:7; Xaa Pos. 2,3,4,5,6,7,8
Seq#:8; Xaa Pos. 1,3,4,5,6,7,8
Seq#:9; Xaa Pos. 1,2,3,4,5,6,7
Seq#:11; Xaa Pos. 1,2,4,5,6,7

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/701,849

DATE: 06/05/2003

TIME: 15:35:15

Input Set : A:\EP.txt

Output Set: N:\CRF4\06052003\I701849.raw

L:84 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:70
L:136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:170 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:156
L:232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:266 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:252
L:348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:382 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:368
L:434 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:468 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:454
L:540 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:574 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:6,Line#:560
L:636 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:670 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:7,Line#:656
L:732 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:766 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:8,Line#:752
L:828 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:862 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:9,Line#:848
L:924 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:948 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:10,Line#:944
L:984 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:11,Line#:970
L:1036 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0